

1997 Plan for Spring/Winter Actions ⁵

April, 1997

This operation includes anticipated export reductions and the actions that are being planned to recover them. It includes the reduction of Shasta releases in January through March, reduction of Oroville releases in January and February, and the relaxation of export/inflow ratios, water quality standards, and Delta outflow requirements contained in the Delta Accord. The additional Vernalis flows are expected to come from the Merced and Stanislaus rivers. USBR recovery in September and October requires SWRCB approval of CVP pumping at the SWP facilities (joint point of diversion). Modification of Delta standards requires approval of the SWRCB. This operation allows total recovery of the pumping foregone. Should conditions change, CALFED will evaluate other measures to achieve the objectives.

	APR 15-30	MAY 1-14	MAY 15-31	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN ¹	FEB ¹	MAR ¹	Impact Summary	
Vernalis objective (CFS)	5700	5700	4150											Exports	Storage
Export objective (CFS)	2250	2250													
Export Impacts (TAF)	-71	-74	-25												
Export recovery (TAF)				+12 ²	+22 ³	+12 ³	+70	+34		+20 ⁴				+170	
Shasta storage withdrawal (TAF)							-60	-24							-84
Shasta storage recovery (TAF)											+30	+28	+26		+84
Oroville storage withdrawal (TAF)							-10	-10							-20
Oroville storage recovery (TAF)											+10	+10			+20
Total														0	0

This operation is being conducted with the understanding it will accomplish sufficient recovery to assure the total storage in San Luis Reservoir does not fall below 150,000 acre-feet.

¹ Storage recovery may require relaxation of minimum instream flow requirements in the Feather River. Oroville's Jan & Feb releases could be decreased to 1050 cfs (requirement is 1200 cfs). Shasta's (Keswick's) Jan-Mar release could be decreased 500 cfs to an objective flow of 3750 cfs.

² Export recovery in June requires relaxation of the Export/Inflow ratio (from 35% to 36%) and possibly agricultural water quality standards (estimated outflow to meet Emmaton 0.45 EC standard is about 7600 cfs, make-up assumes reducing outflow to about 7400 cfs).

³ Export recovery requires reduction of Delta outflow requirements contained in the Delta Accord. In July, the Accord standard of 8000 cfs is reduced to about 7650 cfs. This outflow may require relaxation of the Emmaton 0.45 EC standard. In August, the Delta Accord outflow requirement is a monthly average of 4000 cfs. The make-up plan assumes a reduction to about 3800 cfs.

⁴ Export recovery may require relaxation of Export/Inflow standard in December (from 65% to 67%).

⁵ Updated on 4/23/97 to include current conditions and 25 TAF for ramping up exports after May 15.